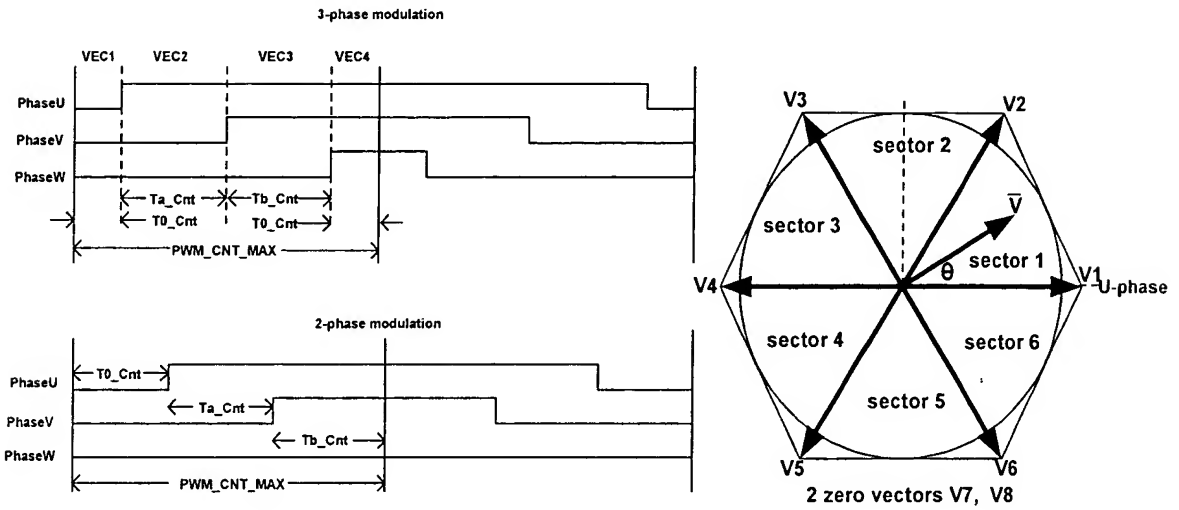


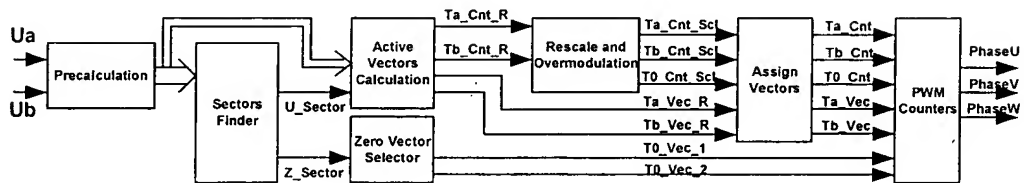
Docket #: IR-2393 (2-3612)
 Title: SPACE VECTOR PWM MODULATOR
 FOR PERMANENT MAGNET MOTOR DRIVE
 Inventor: Eddy Ying Yin HO
 Contact: James A. Finder (212) 380-0700
 Drawing: 8 sheets (Figs. 1-8)

Fig. 1 3-phase and 2-phase modulation



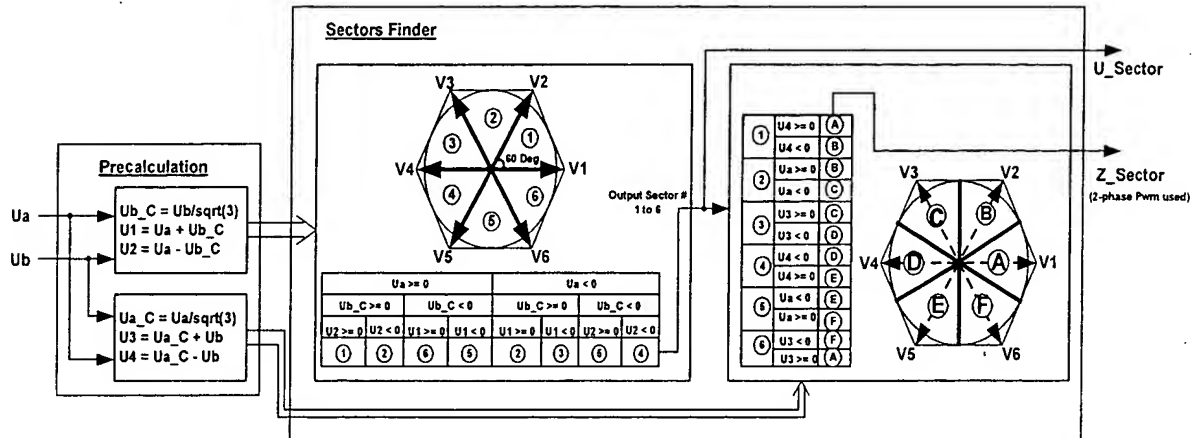
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Fig. 2 Space Vector PWM block structure



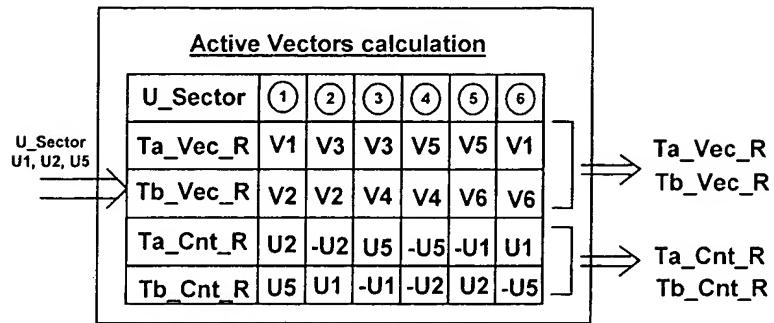
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Fig. 3 Precalculation and Sectors Finder



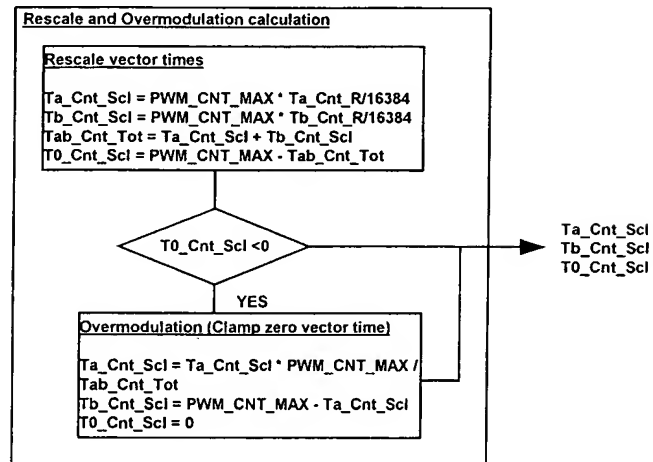
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Fig. 4 Active Vectors Calculation



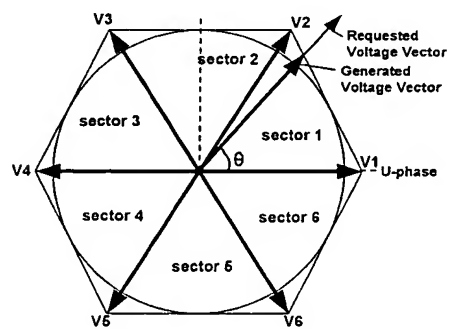
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Fig. 5 Rescale and Overmodulation



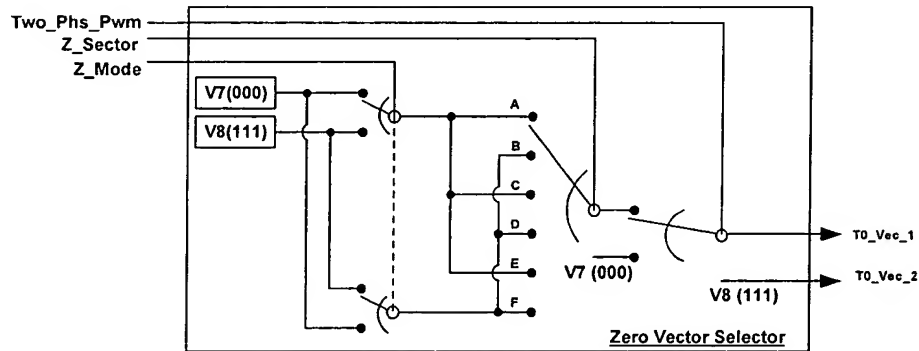
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Fig. 6 Overmodulation in Space Vector Plane



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Fig. 7 Zero Vector Selector



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Fig. 8 PWM state sequencer

